

All India Mock for LIC Assistant Prelims 2024 (11-12 May)

Directions (1-4): Study the following information carefully and answer the questions given below: In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q1. Statements: Only a few Study are Exam. Only a few Exam are Subject. All Subject are Pattern.

Conclusions: I. Some Study are not Exam.

II. Some Exam can be Pattern.

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.

Q2. Statements: Only a few One are Four. No Seven is Four. All Seven are Nine.

Conclusions: I. Some Four are not Seven.

II. Some Nine can never be Four.

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.

Q3. Statements: Only West are East. Only a few South are North. No East is South.

Conclusions: I. Some North are definitely not East.

II. All West are North.

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.

Q4. Statements: Some Hindi are English. Some Physics are English. No Math is Physics.

Conclusions: I. Some English are Math.

II. Some English are not Math.

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.



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Directions (5-7): Study the following information carefully and answer the questions given below:
H is 4m to the north of G. L is 4m to the east of H. K is 2m to the north of L. J is 4m to the west of K. D is 5m to the north of A. F is 5m to the east of D. B is 5m to the south of F. C is 2m to the east of B. G is 5m to the north of C.

Q5. What is the direction of A with respect to J ?

- (a) South East
- (b) North east
- (c) South west
- (d) South
- (e) North

Q6. What is the shortest distance between D and G ?

- (a) 8m
- (b) 7m
- (c) 9m
- (d) 6m
- (e) 5m

Q7. What is the total distance between B and L?

- (a) 17m
- (b) 16m
- (c) 13m
- (d) 12m
- (e) 15m

Directions (8-12): Study the following information carefully and answer the questions given below:
CATS MINT CELL LOGS TOPS

Q8. If the given words are arranged in the order as they appear in a dictionary from right to left, which of the following word will be the fifth from the left end?

- (a) Cats
- (b) Mint
- (c) Cell
- (d) Logs
- (e) Tops

Q9. If the alphabets of the given words are arranged as they appear in a dictionary order than how many meaningful words will be formed?

- (a) One
- (b) Two
- (c) Three
- (d) None
- (e) Four

Q10. How many letters are there between the first Letter of third word from left and Last Letter of the second word from right (According to the alphabetical order)?

- (a) Two
- (b) Fourteen
- (c) Eight
- (d) Fifteen
- (e) Sixteen

Q11. How many vowels are there in between the first letter of first word from left and last letter of last word from right (According to the alphabetical order)?

- (a) Two
- (b) Three
- (c) One
- (d) Five
- (e) Four

Q12. How many letters are there between the first letter of last word from left and first letter of the second word from left (According to the alphabetical order)?

- (a) Four
- (b) Fourteen
- (c) Twenty
- (d) Six
- (e) None

Directions (13-17): Study the following information carefully and answer the questions given below:

A certain number of boxes are placed one above the another but not necessarily in the same order. The number of boxes are placed above the box L is one more than the number of boxes below the box O. No box is placed above box K. There are two boxes placed between box K and box R. Only one box is placed between box R and box M. Box O is placed just below the box S. There are two boxes placed between P and S. Only one box is placed between box M and box N, which is placed below the box M. Box L is placed above the box R at odd position. The number of boxes are placed between box L and box M is same as the number of boxes placed between box N and box P. More than one boxes placed between box M and box P.

Q13. How many boxes are placed between box R and box P?

- (a) Seven
- (b) Five
- (c) Six
- (d) Three
- (e) Two

Q14. What is the total number of boxes?

- (a) Seventeen
- (b) Sixteen
- (c) Fifteen
- (d) Twenty
- (e) Eleven

Q15. If box Y is placed below the box S, then which of the following statement is true with regarding box Y?

- (a) Box Y is placed at even position from the bottom
- (b) Three boxes are placed between box Y and box P
- (c) No box is placed between box Y and box O
- (d) Both (a) and (b)
- (e) Both (b) and (c)

Q16. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (a) K
- (b) R
- (c) L
- (d) P
- (e) S

Q17. Which of the following statement is true as per the given information?

- (a) More than 2 boxes placed between K and M
- (b) Box P is placed below box N
- (c) Three boxes placed between O and P
- (d) Both (a) and (b) are true
- (e) All are true

Directions (18-20): Study the following information carefully and answer the questions given below:

There are seven persons P, Q, R, S, T, U, and V live in a family. Two are married couples and there are three generations. V is the sister in law of R. S is daughter of T. T is daughter of P. U and Q are siblings and they are of different gender. S is the only Granddaughter of R. P is a male member in a family. Q is married to T.

Q18. What is the relation of S with respect to U?

- (a) daughter in law
- (b) Daughter
- (c) Niece
- (d) Cousin
- (e) Mother

Q19. How many female members are in the family?

- (a) Two
- (b) Three
- (c) Four
- (d) One
- (e) Five

Q20. What is the relation of R with respect to T?

- (a) Son
- (b) Daughter
- (c) Sister
- (d) Mother
- (e) Father

Directions (21-25): Study the following information carefully and answer the questions given below:

There are Nine persons namely A, B, C, D, E, F, P, Q and R living on three different floors of a building. Ground floor is numbered 1 and top floor is numbered three. There are three flats on each floor- flat-1, flat-2 and flat-3 from west to east such that flat 2 is west of flat 3 and east of Flat 1. Flat-1 of second floor is exactly above flat-1 of first floor and other flats are placed in the same way.

Q lives on an odd number floor but in even number flat. C lives in the east of Q. There is one floor gap between C and F, and both are living in the same flat number. There is one floor gap between E and P, and both are living in the same flat number. D lives just below R's floor. D lives in the east of P. Both F and B are living in the same flat number. A lives in the west of R.

Q21. Who among the following lives in Flat-3 of 2nd floor?

- (a) E
- (b) B
- (c) F
- (d) A
- (e) P

Q22. What is the direction of C with respect to D?

- (a) North-east
- (b) North-west
- (c) South
- (d) North
- (e) South-east

Q23. Who among the following persons live on ground floor?

- (a) RDP
- (b) CFB
- (c) AQR
- (d) DFP
- (e) PDE

Q24. Which of the following statement is true as per the given information?

- (a) E lives below D's floor
- (b) P lives in the east of F
- (c) C lives in the east of E
- (d) Both (a) and (b) are true
- (e) None is true

Q25. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (a) E
- (b) Q
- (c) F
- (d) D
- (e) A

Q26. If it is possible to make only one meaningful word with the 1st, 2nd, 4th and 7th letters of the word 'EXAMINATIONS' which would be the second letter of the word from the right? If more than one such word can be formed give 'Y' as the answer. If no such word can be formed, give 'Z' as your answer.

- (a) Y
- (b) A
- (c) M
- (d) Z
- (e) E

Directions (27-30): Study the following information carefully and answer the questions given below:

Eight friends Dheeraj, Nisha, Kamal, Rakul, Aparna, Preet, Sonu and Neha are sitting around a circular table but not necessarily in the same order. Two friends sit between Nisha and Aparna. There is one friend sits between Nisha and Neha, who does not sit near to Aparna. Both Kamal and Sonu are facing to each other. Kamal does not sit 2nd to the left of Aparna. Nisha does not sit near to Sonu. Dheeraj sits 3rd to the right of Rakul but does not sit opposite to Nisha.

Q27. Who among the following faces to Preet?

- (a) Neha
- (b) Dheeraj
- (c) Nisha
- (d) Rakul
- (e) None of these

Q28. What is the position of Neha with respect to Sonu?

- (a) Immediate to the left
- (b) 2nd to the left
- (c) Immediate to the right
- (d) 3rd to the right
- (e) None of these

Q29. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (a) Preet- sonu
- (b) Dheeraj-Nisha
- (c) Sonu-Kamal
- (d) Preet- Aparna
- (e) Kamal-Rakul

Q30. Which of the following statement is true as per the given information?

- (a) Neha faces Rakul
- (b) Nisha sits immediate left of Dheeraj
- (c) Sonu is an immediate neighbor of Preet
- (d) Both (a) and (b) true
- (e) All are true

Directions (31-35): Study the following information carefully and answer the questions given below:

In a certain code:

“Kerala Tops Education Ranking” is coded as “ T1# Z5# M4% H15# ”

“Uttar Pradesh Placed Bottom” is coded as “ I20% S18# W12# N15# ”

“School Education Quality Index” is coded as “ C14% B21# M4% O3#”

Q31. What could be the code for the word “Delhi”?

- (a) %R5
- (b) E5#
- (c) R5%
- (d) R5#
- (e) None of these

Q32. What may be the possible code that can be derived from the word “ Bottle ” ?

- (a) 15%V
- (b) #15E
- (c) V15#
- (d) 15V%
- (e) V13#

Q33. What may be the possible code that can be derived from the word “Envy”?

- (a) B14%
- (b) B14#
- (c) 14B#
- (d) 13E%
- (e) None of these

Q34. What code can be derived from the word “Truck ”?

- (a) #18R
- (b) G17#
- (c) P18%
- (d) P18#
- (e) None of these

Q35. What code can be derived from the word "Among"?

- (a) T12%
- (b) #13T
- (c) T13#
- (d) T13%
- (e) None of these

Directions (36-40): Solve the given quadratic equations and find the relation between them:

Q36.

I. $x^2 + 17x + 72 = 0$

II. $y^2 - 64 = 0$

- (a) $x \leq y$
- (b) $x > y$
- (c) $x \geq y$
- (d) $x < y$
- (e) $x = y$ or relation can't be established.

Q37.

I. $x^2 - 37x + 342 = 0$

II. $2y^2 - 11y + 15 = 0$

- (a) $x \leq y$
- (b) $x > y$
- (c) $x \geq y$
- (d) $x < y$
- (e) $x = y$ or relation can't be established.

Q38.

I. $x^2 - 10x + 21 = 0$

II. $y^2 - 12y + 32 = 0$

- (a) $x \leq y$
- (b) $x > y$
- (c) $x \geq y$
- (d) $x < y$
- (e) $x = y$ or relation can't be established.

Q39.

I. $x^2 = 15625$

II. $y^3 = 15625$

- (a) $x \leq y$
- (b) $x > y$
- (c) $x \geq y$
- (d) $x < y$
- (e) $x = y$ or relation can't be established.

Q40.

I. $x^3 - 2197 = 0$

II. $y^2 - 169 = 0$

- (a) $x \leq y$
- (b) $x > y$
- (c) $x \geq y$
- (d) $x < y$
- (e) $x = y$ or relation can't be established.

Directions (41-50): What will come in the place of '?' in the following questions:

Q41.

$$\sqrt{\frac{3430}{70} + \frac{3840}{60} - \frac{2560}{80}} = ?$$

- (a) 10
- (b) 9
- (c) 8
- (d) 11
- (e) 7

Q42. $21 \times 13 + 39 \times 3 - 20 \times 2 = ?$

- (a) 360
- (b) 370
- (c) 340
- (d) 350
- (e) 390

Q43. $8765 + 2134 - 1899 + 1000 = ?$

- (a) 9900
- (b) 9800
- (c) 10000
- (d) 10100
- (e) 10200

Q44. $1541.72 + 1622.13 + 799.01 - 898.74 - 1011.44 = ?$

- (a) 2052.68
- (b) 2062.68
- (c) 2072.68
- (d) 2082.68
- (e) 2042.68

Q45. $9801 \div 99 \times 9 + 99 = ?$

- (a) 801
- (b) 900
- (c) 990
- (d) 110
- (e) 100

Q46. $123 \times 101 + 124 \times 99 = ? - 1$

- (a) 21700
- (b) 24700
- (c) 22701
- (d) 22700
- (e) 23700

Q47. $55\frac{5}{9}\%$ of 909 + $42\frac{6}{7}\%$ of 560 = $(?)^3 - 255$

- (a) 9
- (b) 8
- (c) 12
- (d) 11
- (e) 10

Q48. $(?) + (8)^2 + (15)^2 - (17)^2 = (12)^3 - (11)^3$

- (a) 367
- (b) 387
- (c) 357
- (d) 397
- (e) 377

Q49. $15.5 \times 16 + 8 \times 29 - 4 \times 20 = (?)^2$

- (a) 20
- (b) 18
- (c) 19
- (d) 21
- (e) 22

Q50. $28\frac{4}{7}\%$ of $42\frac{6}{7}\%$ of 50% of 49000 = ?

- (a) 2800
- (b) 3000
- (c) 3200
- (d) 3300
- (e) 3900

Directions (51-55): The given table shows the marks obtained by six students in four subjects. Maximum marks for each subject is 150 and there are only 4 subjects (Physics, Chemistry, Math and English).

	Physics	Chemistry	Maths	English
Ram	80	90	75	65
Shyam	70	85	80	60
Shreya	120	100	90	80
Priyanka	115	75	105	135
Priya	135	95	85	90
Mohan	110	105	115	140



Q51. What is the ratio of total marks obtained by Ram to total marks obtained by Shyam?

- (a) 31 : 50
- (b) 3 : 4
- (c) 7 : 8
- (d) 31 : 39
- (e) 62 : 59

Q52. Marks obtained by priyanka in chemistry are what percent less/more than the marks obtained by Priya in English?

- (a) 20%
- (b) 25%
- (c) $16\frac{2}{3}\%$
- (d) $33\frac{1}{3}\%$
- (e) 15 %

Q53. What is the ratio of average marks obtained by Shreya in Physics and chemistry to the average marks obtained by Mohan in all subjects?

- (a) 12 : 5
- (b) 44 : 47
- (c) 41 : 45
- (d) 16 : 11
- (e) 11 : 12

Q54. What are the approx. average marks obtained by all six students in chemistry?

- (a) 88
- (b) 90
- (c) 93
- (d) 92
- (e) 94

Q55. What is the difference between marks obtained by Shyam, Priyanka and Priya together in Physics and marks obtained by Ram, Priya and Mohan together in maths?

- (a) 45
- (b) 30
- (c) 40
- (d) 50
- (e) 55

Q56. A man bought two bicycles for Rs. 2500 each. If he sells one at a profit of 5%, then at what price should he sell the other, in order to earn 20% profit in the whole transaction?

- (a) 35%
- (b) 15%
- (c) 25%
- (d) 20%
- (e) 40%

Q57. The ratio of number of boys to that of girls in a college is 7 : 8. If 40 girls left the college and 40 new boys took the admission in the college, the ratio of boys and girls will be 1 : 1. Find the initial strength of college?

- (a) 1000
- (b) 1200
- (c) 1500
- (d) 1650
- (e) 900

Q58. If $2A = 3B = 5C = 9D$ and $A+B+C+D = 51500$, find the value of B.

- (a) 9000
- (b) 5000
- (c) 22500
- (d) 15000
- (e) None of the above

Q59. Ram's present age is half of Sohan's present age and Mohan is 5 years elder to Sohan. If the average of present age of Ram and Mohan is 25 years, find the Sohan's age 10 years hence?

- (a) 15 years
- (b) 30 years
- (c) 40 years
- (d) 25 years
- (e) 50 years

Q60. A vessel is filled with mixture of water & syrup, 3 parts of which are water and 5 parts of which are Syrup. How much of the mixture must be drawn off and completely replaced with water so that resulting mixture will be half water and half syrup?

- (a) $\frac{1}{3}$
- (b) $\frac{1}{5}$
- (c) $\frac{1}{4}$
- (d) $\frac{1}{7}$
- (e) $\frac{2}{3}$

Q61. Man sold article A in 100% profit and article B in 20% profit. If selling price of article A and article B in same then find his overall profit percentage

- (a) 40%
- (b) 50%
- (c) 55%
- (d) 60%
- (e) 75%

Q62. Present average age of a couple is 29 years after 2 year and 4 year respectively a boy child and a girl child is born. Find the average age of family after 8 year of present time?

- (a) 18
- (b) 19
- (c) 20
- (d) 21
- (e) 22

Q63. Satish invested Rs. 14,000 partially in scheme A which offer 20% p.a. at C.I. and remaining in scheme B which offer 25% at S.I. Find the amount invested in scheme B if total interest earns after 2 years is Rs. 6640.

- (a) 6000
- (b) 7000
- (c) 8000
- (d) 9000
- (e) 10,000

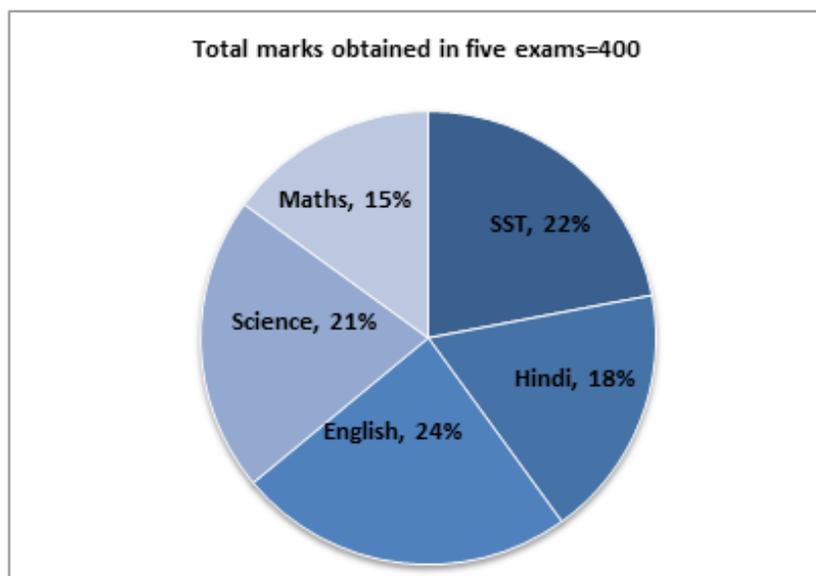
Q64. A train can cross a platform of 100 m length completely in 12 seconds while covers a platform of double of its length in 21 seconds. Find the speed of the train? (in m/s)

- (a) 12
- (b) 15
- (c) 18
- (d) 20
- (e) 24

Q65. Pipe A and pipe B together can fill the tank in 12 minutes while pipe A, pipe B and pipe C together can fill the tank in 15 minutes and Pipe B and Pipe C together can fill the tank in 30 minutes. In how many time pipe A alone can fill the tank completely. (in minutes)

- (a) 20
- (b) 60
- (c) 40
- (d) 30
- (e) 50

Directions (66-70): Pie-chart given below shows percentage brakeup of marks obtained by Shalini in five different exams of 100 marks each.



Q66. How much marks scored by Shalini in Maths, SST and Hindi together?

- (a) 216
- (b) 220
- (c) 244
- (d) 252
- (e) 208

Q67. How much percentage of marks scored by Shalini in Science, English and Hindi together?

- (a) 68%
- (b) 72%
- (c) 76%
- (d) 80%
- (e) 84%

Q68. Marks scored by Shalini in Hindi are what percent less than marks scored by Shalini in Science?

- (a) $14\frac{2}{7}\%$
- (b) $16\frac{2}{3}\%$
- (c) 20%
- (d) 25%
- (e) $31\frac{9}{11}\%$

Q69. Marks scored by Shalini in SST, Math and Science together is how much more than mark scored by her in English and Hindi together?

- (a) 32
- (b) 56
- (c) 64
- (d) 88
- (e) 112

Q70. Find the ratio of marks scored by Shalini in SST and Hindi together to marks scored by Shalini in Maths and Science together?

- (a) 9 : 10
- (b) 10 : 9
- (c) 8 : 9
- (d) 15 : 14
- (e) 21 : 20

Directions (71-78): Read the given passage and answer the questions based on it

In November 1999, UNESCO declared February 21 as International Mother Language Day in response to the declining state of many languages all over the world. This year's theme, "Multilingual education — a necessity to transform education," underscores the importance of using multiple languages in framing an impactful system of education. As UNESCO states, a monolingual system of education which relies on "providing education in only one language that is not necessarily shared by all learners may impact negatively on learning performance, and the development of socio-emotional and foundational literacy skills."

India is an ancient _____ of hundreds of languages and thousands of dialects with rich linguistic and cultural diversity. It is in our mother tongue that we express, with authenticity, our deepest thoughts, feelings, values and ideals, as also our literary ventures. Our languages, which are an integral part of our ancient culture, give us a sense of identity. The International Mother Language Day has added significance in the Indian context because of the threat westernization poses to the survival of as many as 42 of our dialects and languages which have fewer than 10,000 users. The situation is equally grim all over the world with 40 per cent of the speakers of 6,700 languages not having access to education in their mother tongue.

Several studies have shown the importance of multilingual education in upholding cultural and linguistic diversity. Mainstreaming of mother tongue-based multilingual education should be accorded the highest priority. Recognizing the role of technology and artificial intelligence in transforming the educational landscape globally, societies, including ours, must fast-track methods to make quality education more accessible, equitable and inclusive. We must involve all key stakeholders in education — policymakers, schools, colleges and universities, teachers, regulatory institutions and non-governmental bodies.

The Nobel Prize-winning physicist C V Raman said, “We must teach science in our mother tongue. Otherwise, science will become a highbrow activity. It will not be an activity in which all people can participate.” Writing in Young India in 1921, Mahatma Gandhi spoke with concern, of the strain of the foreign medium which turned “our children into crammers and imitators.” Gandhiji **foresaw** how “the foreign medium has made our children practically foreigners in their own land.”

Q71. Why can monolingual education not provide an optimum quality of education?

- (a) It fails to provide inclusivity of different language speaking people and thereby negatively impacts learning performance.
- (b) It fails to deliver socio economic development and foundational literacy skills.
- (c) It prohibits people from learning different languages even later in their lives.
- (d) Only (a) and (b)
- (e) All of these

Q72. For a person, what is the significance of their mother tongue?

- (a) It helps them express their deepest thoughts, feelings and values.
- (b) Mother tongue is the best medium to express their literally endeavors
- (c) It connects them with their roots and provides a sense of identity.
- (d) Only (a) and (b)
- (e) All of these

Q73. What is the significance of International Mother Language Day?

- (a) To establish the supremacy of a mother tongue over foreign languages.
- (b) To revitalize languages that are disappearing or are threatened with extinction.
- (c) To acknowledge the importance of mother in our life.
- (d) To cherish family values and enroot ourselves with our heredity.
- (e) None of these

Q74. How to create an equitable and inclusive education system?

- (a) By acknowledging and improving the role of technology and AI in education system
- (b) By involving every contributor to the education system for its betterment.
- (c) By recognizing the importance of effective parent-teacher relationships
- (d) Only (a) and (b)
- (e) All of these

Q75. Which of the following statements is false as per the data given in the passage?

- (a) International Mother language day is an attempt to recognize the non-dominant languages.
- (b) International Mother language day is organized worldwide by UNICEF.
- (c) India is home to many languages and dialects.
- (d) “Multilingual education — a necessity to transform education” is the theme of this year’s International Mother language day.
- (e) None of these

Q76. What argument did C.V Raman give to stress on educating through the mother tongue?

- (a) As Indian scientific discoveries are hard to explain in any other language.
- (b) To prohibit Britishers from learning about India's rich scientific discoveries.
- (c) To not make science limited to only the rich and privileged
- (d) To give Indian languages a sense of identity
- (e) None of these

Q77. Which of the following words can fit into the given blank?

- (a) heritage
- (b) preservation
- (c) foster
- (d) jumble
- (e) repository

Q78. Which of the following is the synonym of "foresaw"?

- (a) arranged
- (b) envisaged
- (c) habituated
- (d) perplexed
- (e) None of these

Directions (79-83): In each question four words are given in bold which are not arranged in correct order. Choose the rearrangement needed to make the sentence meaningful and correct.

Q79. practical (A)are always (B)but qualifications (C)experience is important (D)an advantage

- (a) DCAB
- (b) ABDC
- (c) ACBD
- (d) CDAB
- (e) No rearrangement needed

Q80. Road conservation (A) in the area has been severely (B) development (C) by the affected (D)programs of the council.

- (a) ADBC
- (b) CBDA
- (c) BDAC
- (d) ACDB
- (e) No rearrangement needed

Q81. This period (A) of the second industrial (B) revolution is marked especially (C) as a period of rapid industrialization and urbanization (D).

- (a) ADBC
- (b) CBDA
- (c) BDAC
- (d) ACDB
- (e) No rearrangement needed

Q82. As a result of description (A) issue, (B) the police are at last able to inquiries (C) a/an exhaustive (D) of the murderer.

- (a) DCBA
- (b) DACB
- (c) BDAC
- (d) ADBC
- (e) No rearrangement needed

Q83. The government **enforce** (A) take steps to **compliance** (B) **may** (C) with the new **measures** (D).

- (a) ADBC
- (b) CABD
- (c) BDAC
- (d) ACDB
- (e) No rearrangement needed

Directions (84-88): In each of the sentence a word is missing, choose the word from the given options to fill the given blank without altering the intended meaning.

Q84. Relief workers in _____ with local charities are trying to help the famine victims.

- (a) interpretation
- (b) concentration
- (c) alliance
- (d) negligence
- (e) finance

Q85. Getting the right qualifications will _____ your employment prospects.

- (a) bleak
- (b) confront
- (c) balance
- (d) cancel
- (e) enhance

Q86. Inflation has been _____ away their savings

- (a) jarring
- (b) tumbling
- (c) harmonizing
- (d) wearing
- (e) gaining

Q87. She kept her cool and managed to get herself out of the _____.

- (a) ordeal
- (b) vengeance
- (c) privatization
- (d) determination
- (e) entrance

Q88. The social _____ of religion has changed over time.

- (a) exclamation
- (b) significance
- (c) clarification
- (d) subjugation
- (e) indication

Q89. In each question four sentences are given in which only one has no grammatical error. Choose that correct statement as your answer choice. If all the statements are error free, choose "No Error".

- (a) A CEO's sole responsibilities is the protection of the company's profits.
- (b) The restructure will take place in phases, to simplify the implementation process.
- (c) The rapid movement of an object towards the eye trigger the blink reflex.
- (d) The basement has been made over into a workshop.
- (e) No Error

Q90. In each question four sentences are given in which only one has no grammatical error. Choose that correct statement as your answer choice. If all the statements are error free, choose "No Error".

- (a) If you work hard and find yourself stuck, then you somehow need to rejuvenate yourself.
- (b) He stretched out his hand and caught the falling plate.
- (c) The museum collection vividly portrays the heritage of 200 years of canals.
- (d) I was obsessed with the melodious tone and the beautiful artifacts while at the exhibition.
- (e) No Error

Q91. In each question four sentences are given in which only one has no grammatical error. Choose that correct statement as your answer choice. If all the statements are error free, choose "No Error".

- (a) In 1975, she was certified clinical insane and sent to a mental hospital.
- (b) Always ensure your baggage before you leave for a trip.
- (c) The river is diverted through the power station before discharging into the sea.
- (d) Climbing Everest is a daunting challenge in any mountaineer.
- (e) No Error

Q92. In each question four sentences are given in which only one has no grammatical error. Choose that correct statement as your answer choice. If all the statements are error free, choose "No Error".

- (a) The government is keeping tight control on immigration.
- (b) The common room was segregated for smoking and non-smoking areas.
- (c) An excess of enthuse is not always a good thing
- (d) It's almost lunchtime, I thought I have finished all my work by now!
- (e) No Error

Directions (93-97): Each sentence is divided into four parts which might not be arranged in correct order. Choose the rearrangement for the parts so to make a valid, correct sentence.

Q93. approach to housekeeping was (A)/ compared to her mother's(B)/ haphazard, at best (C)/ organized system, Jen's (D).

- (a) BDAC
- (b) ACBD
- (c) CDBA
- (d) ADCB
- (e) No rearrangement needed



Q94. it is best to show your appreciation (A)/ at least give them some thanks (B)/ and offer one in return, or (C)/ if someone does a favor for you (D)

- (a) BDAC
- (b) BACD
- (c) DACB
- (d) ADCB
- (e) No rearrangement needed

Q95. however I feel like I'm starting (A)/ replace playing the game I love (B)/ a new adventure (C)/ nothing will ever completely (D)

- (a) CDAB
- (b) BACD
- (c) DACB
- (d) DBAC
- (e) No rearrangement needed

Q96. possession of money; it (A)/ happiness lies not in the mere (B)/ in the thrill of creative effort (C) / lies in the joy of achievement, (D).

- (a) CDAB
- (b) BADC
- (c) DACB
- (d) DBAC
- (e) No rearrangement needed

Q97. one of the aims (A)/ of ethnography is (B)/to contribute to an (C)/ understanding of the human race (D).

- (a) CDAB
- (b) BADC
- (c) DACB
- (d) DBAC
- (e) No rearrangement needed

Directions (98-100): In the given question, four words are highlighted in bold, one of which might be incorrect or wrongly spelt. Choose the word which is incorrect as your answer choice.

Q98. Local observatory alerted residents that there would be a dust strom the next day.

- (a) observatory
- (b) alerted
- (c) residents
- (d) strom
- (e) None of these

Q99. A more plisible explanation would seem to be that people are fed up with the conservative government.

- (a) plisible
- (b) explanation
- (c) conservative
- (d) government
- (e) none of these

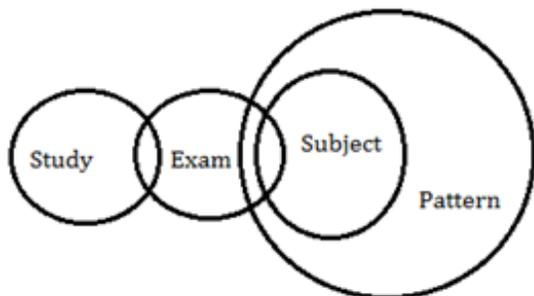
Q100. The rise in unemployment is seen as indicative of a new economic resession.

- (a) unemployment
- (b) indicative
- (c) economic
- (d) resession
- (e) None of these

Solutions

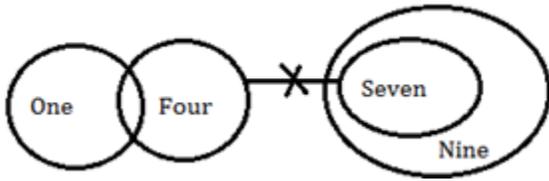
S1. Ans.(a)

Sol.



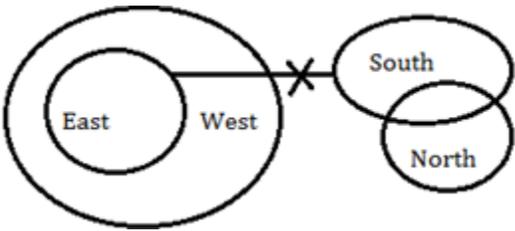
S2. Ans.(e)

Sol.



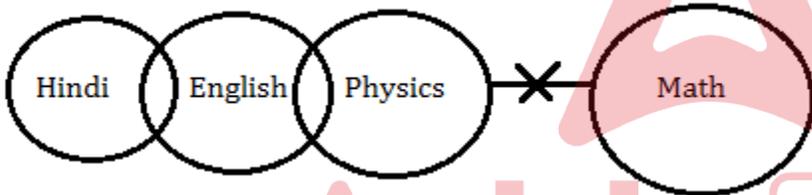
S3. Ans.(a)

Sol.



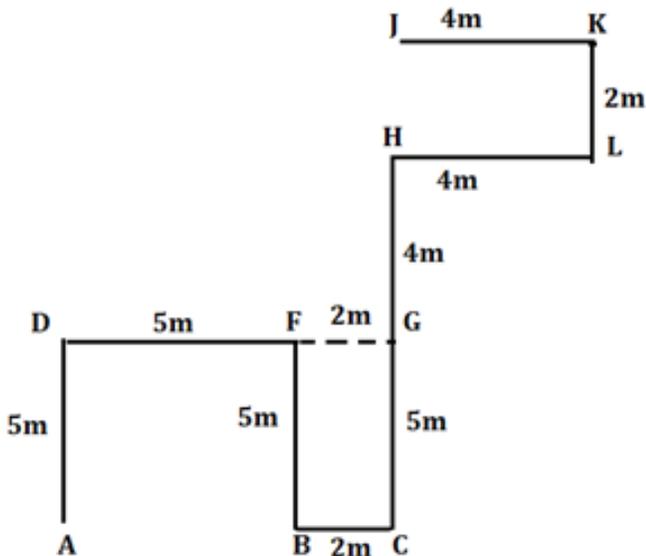
S4. Ans.(b)

Sol.



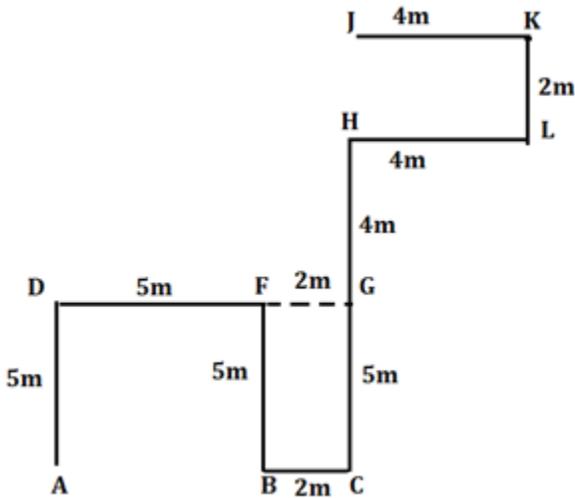
S5. Ans.(c)

Sol.



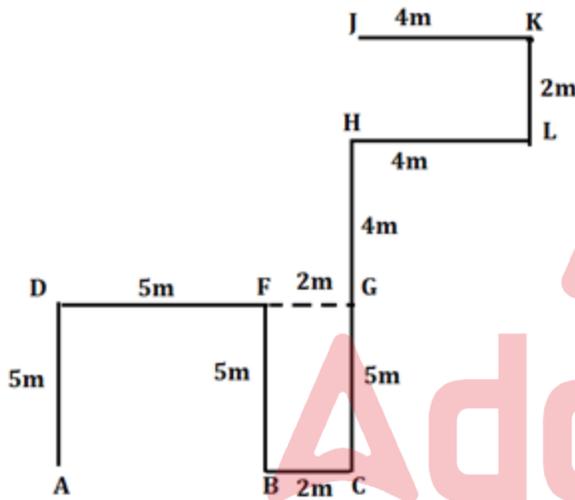
S6. Ans.(b)

Sol.



S7. Ans.(e)

Sol.



S8. Ans.(a)

Sol.

Original Series: CATS MINT CELL LOGS TOPS
After Rearrangement: TOPS MINT LOGS CELL CATS

S9. Ans.(a)

Sol.

Original Series: CATS MINT CELL LOGS TOPS
After Rearrangement ACST IMNT CELL GLOS OPST

S10. Ans.(d)

Sol. Between (C and S) only fifteen letters are there.

S11. Ans.(b)

Sol. Between (C and S) there are three vowels. (e, o and i)

S12. Ans.(d)

Sol. Between (M and T) there are only six letters.

S13. Ans.(c)

Sol. From the given statements, no box is placed above box K. There are two boxes placed between box K and box R. Only one box is placed between box R and box M. Here we get 2 possibilities i.e. Case 1 and Case 2.

Case 1	Case 2
Boxes	Boxes
K	K
	M
R	R
M	

From the given statements, only one box is placed between box M and box N, which is placed below the box M. From this condition Case 2 is ruled out now. Box L is placed above the box R at odd position. The number of boxes are placed between box L and box M is same as the number of boxes placed between box N and box P. More than one boxes placed between box M and box P.

Case 1
Boxes
K
L
R
M
N
P

From the given statements, there are two boxes placed between P and S. Box O is placed just below the box S. The number of boxes are placed above the box L is one more than the number of boxes below the box O. So, the final arrangement is –

Boxes
K
L
R
M
N
P
S
O

S14. Ans.(b)

Sol. From the given statements, no box is placed above box K. There are two boxes placed between box K and box R. Only one box is placed between box R and box M. Here we get 2 possibilities i.e. Case 1 and Case 2.

Case 1	Case 2
Boxes	Boxes
K	K
	M
R	R
M	

From the given statements, only one box is placed between box M and box N, which is placed below the box M. From this condition Case 2 is ruled out now. Box L is placed above the box R at odd position. The number of boxes are placed between box L and box M is same as the number of boxes placed between box N and box P. More than one boxes placed between box M and box P.

Case 1
Boxes
K
L
R
M
N
P

From the given statements, there are two boxes placed between P and S. Box O is placed just below the box S. The number of boxes are placed above the box L is one more than the number of boxes below the box O. So, the final arrangement is -

Boxes
K
L
R
M
N
P
S
O

S15. Ans.(c)

Sol. From the given statements, no box is placed above box K. There are two boxes placed between box K and box R. Only one box is placed between box R and box M. Here we get 2 possibilities i.e. Case 1 and Case 2.

Case 1	Case 2
Boxes	Boxes
K	K
	M
R	R
M	

From the given statements, only one box is placed between box M and box N, which is placed below the box M. From this condition Case 2 is ruled out now. Box L is placed above the box R at odd position. The number of boxes are placed between box L and box M is same as the number of boxes placed between box N and box P. More than one boxes placed between box M and box P.

Case 1
Boxes
K
L
R
M
N
P

From the given statements, there are two boxes placed between P and S. Box O is placed just below the box S. The number of boxes are placed above the box L is one more than the number of boxes below the box O. So, the final arrangement is -

Boxes
K
L
R
M
N
P
S
O

Boxes
K
L
R
M
N
P
S
O
Y

S16. Ans.(a)

Sol. From the given statements, no box is placed above box K. There are two boxes placed between box K and box R. Only one box is placed between box R and box M. Here we get 2 possibilities i.e. Case 1 and Case 2.

Case 1	Case 2
Boxes	Boxes
K	K
	M
R	R
M	

From the given statements, only one box is placed between box M and box N, which is placed below the box M. From this condition Case 2 is ruled out now. Box L is placed above the box R at odd position. The number of boxes are placed above box L and box M is same as the number of boxes placed between box N and box P. More than one boxes placed between box M and box P.

Case 1
Boxes
K
L
R
M
N
P

From the given statements, there are two boxes placed between P and S. Box O is placed just below the box S. The number of boxes are placed above the box L is one more than the number of boxes below the box O. So, the final arrangement is –

Boxes
K
L
R
M
N
P
S
O

S17. Ans.(e)

Sol. From the given statements, no box is placed above box K. There are two boxes placed between box K and box R. Only one box is placed between box R and box M. Here we get 2 possibilities i.e. Case 1 and Case 2.

Case 1	Case 2
Boxes	Boxes
K	K
	M
R	R
M	

From the given statements, only one box is placed between box M and box N, which is placed below the box M. From this condition Case 2 is ruled out now. Box L is placed above the box R at odd position. The number of boxes are placed between box L and box M is same as the number of boxes placed between box N and box P. More than one boxes placed between box M and box P.

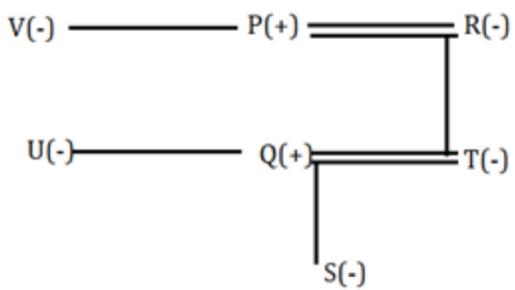
Case 1
Boxes
K
L
R
M
N
P

From the given statements, there are two boxes placed between P and S. Box O is placed just below the box S. The number of boxes are placed above the box L is one more than the number of boxes below the box O. So, the final arrangement is –

Boxes
K
L
R
M
N
P
S
O

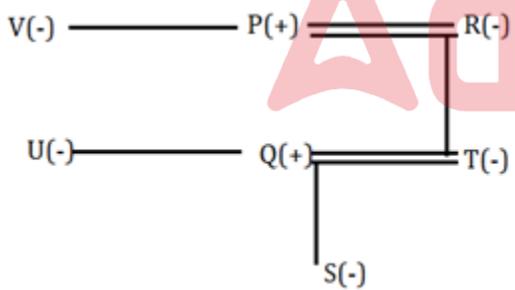
S18. Ans.(c)

Sol.



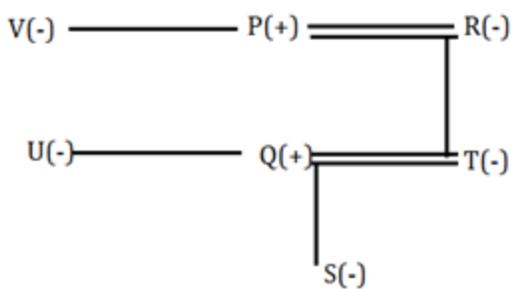
S19. Ans.(e)

Sol.



S20. Ans.(d)

Sol.



S21. Ans.(b)

Sol. From the given statements, Q lives on an odd number floor but in even number flat. Here we get 2 possibility i.e. Case 1 and Case 2. C lives in the east of Q. There is one floor gap between C and F, and both are living in the same flat number. There is one floor gap between E and P, and both are living in the same flat number.

Floors	Case 1			Case 2		
	Flat-1	Flat-2	Flat-3	Flat-1	Flat-2	Flat-3
3	E/P	Q	C	E/P		F
2						
1	P/E		F	P/E	Q	C

From the given statements, D lives in the east of P. D lives just below R's floor. From this condition Case 2 is ruled out now. Both F and B are living in the same flat number. A lives in the west of R.

So, the final arrangement is such as-

Floors	Flat-1	Flat-2	Flat-3
3	E	Q	C
2	A	R	B
1	P	D	F

S22. Ans.(a)

Sol. From the given statements, Q lives on an odd number floor but in even number flat. Here we get 2 possibility i.e. Case 1 and Case 2. C lives in the east of Q. There is one floor gap between C and F, and both are living in the same flat number. There is one floor gap between E and P, and both are living in the same flat number.

Floors	Case 1			Case 2		
	Flat-1	Flat-2	Flat-3	Flat-1	Flat-2	Flat-3
3	E/P	Q	C	E/P		F
2						
1	P/E		F	P/E	Q	C

From the given statements, D lives in the east of P. D lives just below R's floor. From this condition Case 2 is ruled out now. Both F and B are living in the same flat number. A lives in the west of R.

So, the final arrangement is such as-

Floors	Flat-1	Flat-2	Flat-3
3	E	Q	C
2	A	R	B
1	P	D	F

S23. Ans.(d)

Sol. From the given statements, Q lives on an odd number floor but in even number flat. Here we get 2 possibility i.e. Case 1 and Case 2. C lives in the east of Q. There is one floor gap between C and F, and both are living in the same flat number. There is one floor gap between E and P, and both are living in the same flat number.

Floors	Case 1			Case 2		
	Flat-1	Flat-2	Flat-3	Flat-1	Flat-2	Flat-3
3	E/P	Q	C	E/P		F
2						
1	P/E		F	P/E	Q	C

From the given statements, D lives in the east of P. D lives just below R's floor. From this condition Case 2 is ruled out now. Both F and B are living in the same flat number. A lives in the west of R.

So, the final arrangement is such as-

Floors	Flat-1	Flat-2	Flat-3
3	E	Q	C
2	A	R	B
1	P	D	F

S24. Ans.(c)

Sol. From the given statements, Q lives on an odd number floor but in even number flat. Here we get 2 possibility i.e. Case 1 and Case 2. C lives in the east of Q. There is one floor gap between C and F, and both are living in the same flat number. There is one floor gap between E and P, and both are living in the same flat number.

Floors	Case 1			Case 2		
	Flat-1	Flat-2	Flat-3	Flat-1	Flat-2	Flat-3
3	E/P	Q	C	E/P		F
2						
1	P/E		F	P/E	Q	C

From the given statements, D lives in the east of P. D lives just below R's floor. From this condition Case 2 is ruled out now. Both F and B are living in the same flat number. A lives in the west of R.

So, the final arrangement is such as-

Floors	Flat-1	Flat-2	Flat-3
3	E	Q	C
2	A	R	B
1	P	D	F

S25. Ans.(e)

Sol. From the given statements, Q lives on an odd number floor but in even number flat. Here we get 2 possibility i.e. Case 1 and Case 2. C lives in the east of Q. There is one floor gap between C and F, and both are living in the same flat number. There is one floor gap between E and P, and both are living in the same flat number.

Floors	Case 1			Case 2		
	Flat-1	Flat-2	Flat-3	Flat-1	Flat-2	Flat-3
3	E/P	Q	C	E/P		F
2						
1	P/E		F	P/E	Q	C

From the given statements, D lives in the east of P. D lives just below R's floor. From this condition Case 2 is ruled out now. Both F and B are living in the same flat number. A lives in the west of R.

So, the final arrangement is such as-

Floors	Flat-1	Flat-2	Flat-3
3	E	Q	C
2	A	R	B
1	P	D	F

S26. Ans.(b)

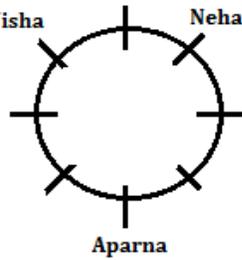
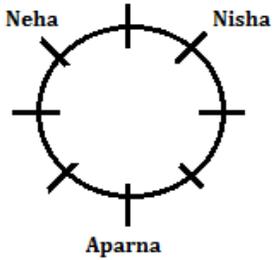
Sol. EXAM

S27. Ans.(c)

Sol. From the given statements, two friends sit between Nisha and Aparna. Here we get 2 possibilities i.e. Case 1 and Case 2. There is one friend sits between Nisha and Neha, who does not sit near to Aparna.

Case 1

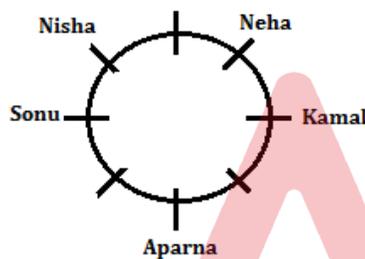
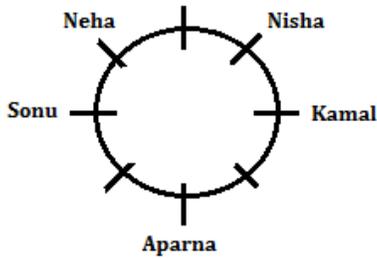
Case 2



From the given statements, Both Kamal and Sonu are facing to each other. Kamal does not sit 2nd to the left of Aparna.

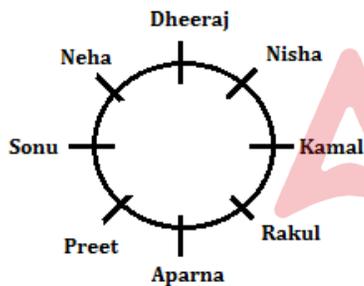
Case 1

Case 2



From the given statements, Nisha does not sit near to Sonu. From this condition Case 2 is ruled out now. Dheeraj sits 3rd to the right of Rakul but does not sit opposite to Nisha.

So, the final arrangement is such as-

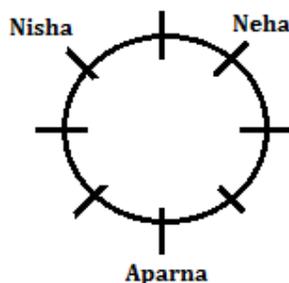
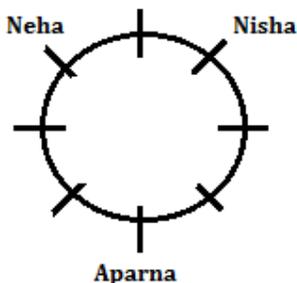


S28. Ans.(a)

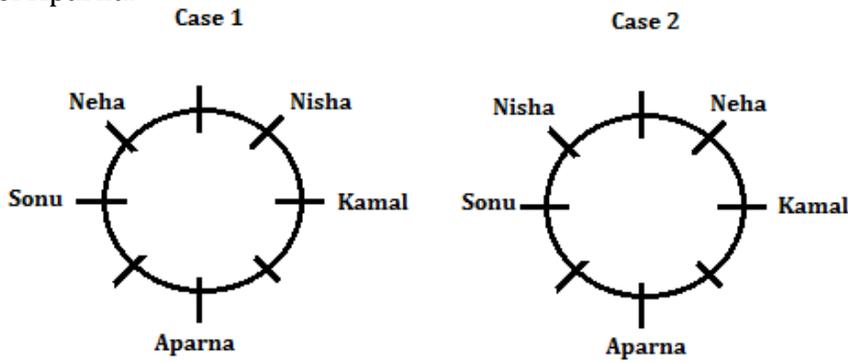
Sol. From the given statements, two friends sit between Nisha and Aparna. Here we get 2 possibilities i.e. Case 1 and Case 2. There is one friend sits between Nisha and Neha, who does not sit near to Aparna.

Case 1

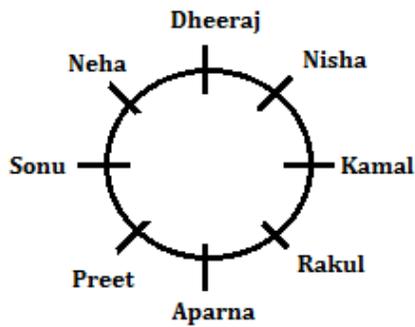
Case 2



From the given statements, Both Kamal and Sonu are facing to each other. Kamal does not sit 2nd to the left of Aparna.

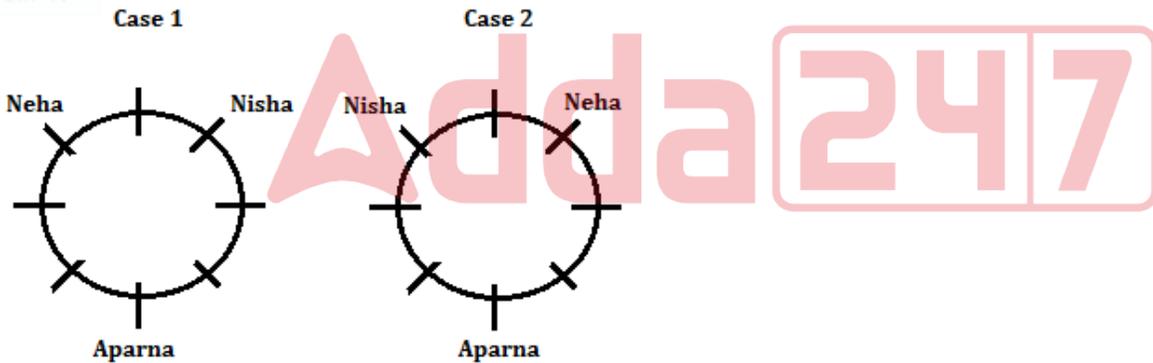


From the given statements, Nisha does not sit near to Sonu. From this condition Case 2 is ruled out now. Dheeraj sits 3rd to the right of Rakul but does not sit opposite to Nisha. So, the final arrangement is such as-

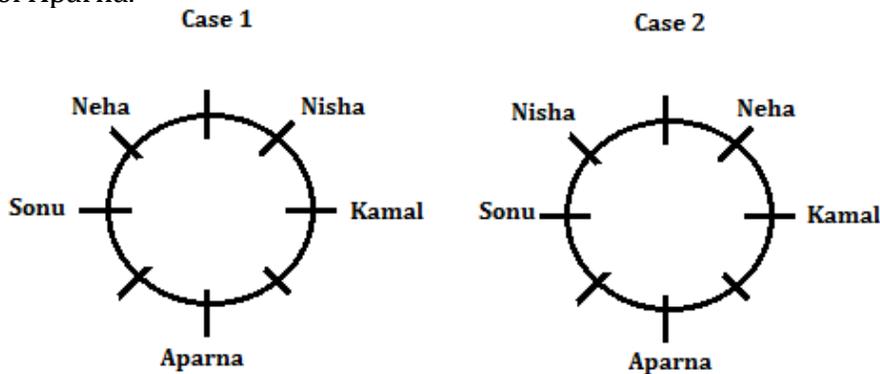


S29. Ans.(c)

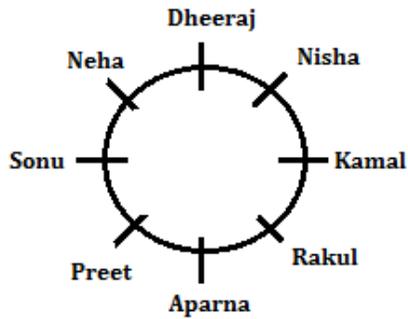
Sol. From the given statements, two friends sit between Nisha and Aparna. Here we get 2 possibilities i.e. Case 1 and Case 2. There is one friend sits between Nisha and Neha, who does not sit near to Aparna.



From the given statements, Both Kamal and Sonu are facing to each other. Kamal does not sit 2nd to the left of Aparna.



From the given statements, Nisha does not sit near to Sonu. From this condition Case 2 is ruled out now. Dheeraj sits 3rd to the right of Rakul but does not sit opposite to Nisha. So, the final arrangement is such as-

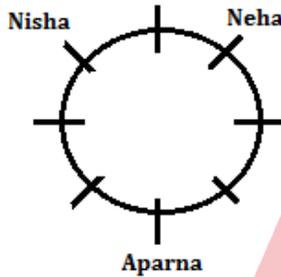
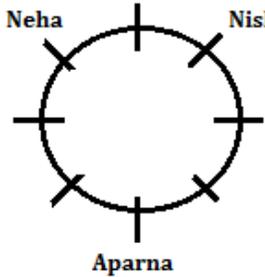


S30. Ans.(e)

Sol. From the given statements, two friends sit between Nisha and Aparna. Here we get 2 possibilities i.e. Case 1 and Case 2. There is one friend sits between Nisha and Neha, who does not sit near to Aparna.

Case 1

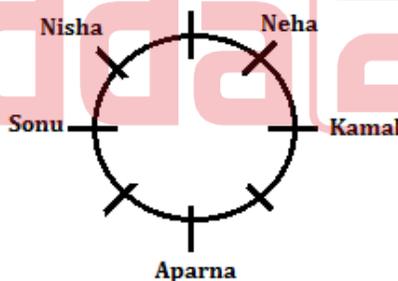
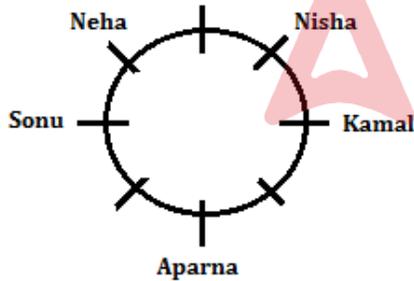
Case 2



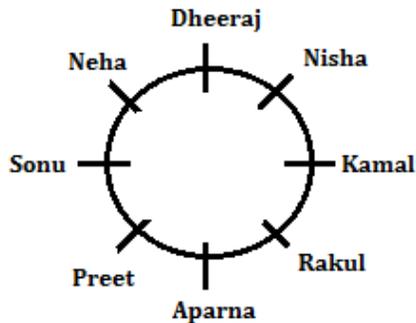
From the given statements, Both Kamal and Sonu are facing to each other. Kamal does not sit 2nd to the left of Aparna.

Case 1

Case 2



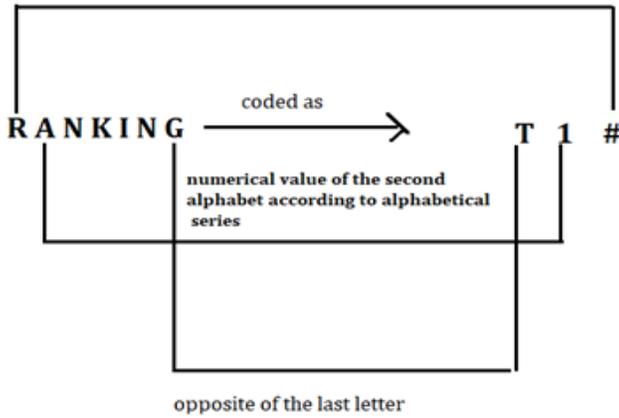
From the given statements, Nisha does not sit near to Sonu. From this condition Case 2 is ruled out now. Dheeraj sits 3rd to the right of Rakul but does not sit opposite to Nisha. So, the final arrangement is such as-



S31. Ans.(d)

Sol. Logic:

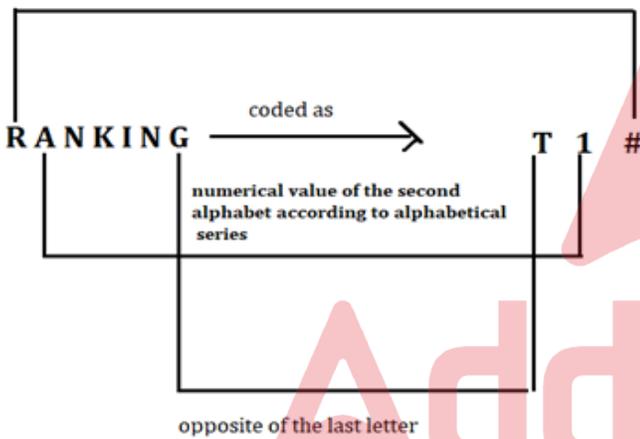
(If a word starts with a consonant then code as #
If a word starts with a vowel then code as %)



S32. Ans.(c)

Sol. Logic:

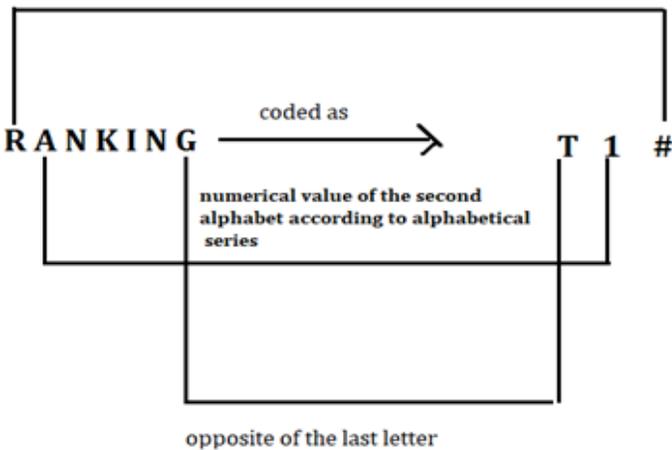
(If a word starts with a consonant then code as #
If a word starts with a vowel then code as %)



S33. Ans.(a)

Sol. Logic:

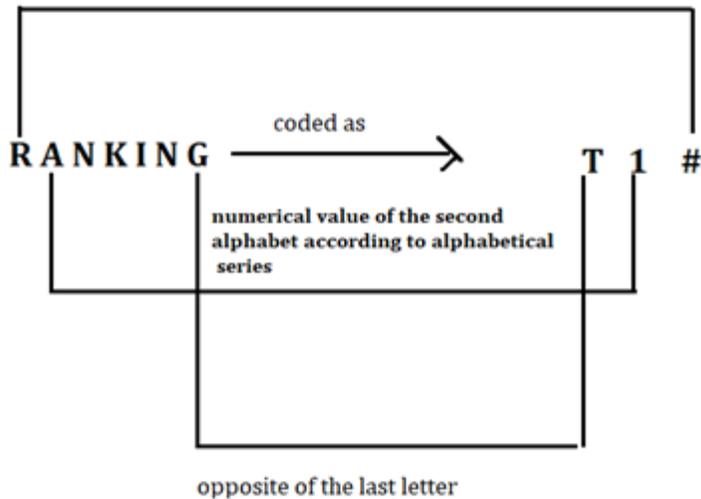
(If a word starts with a consonant then code as #
If a word starts with a vowel then code as %)



S34. Ans.(d)

Sol. Logic:

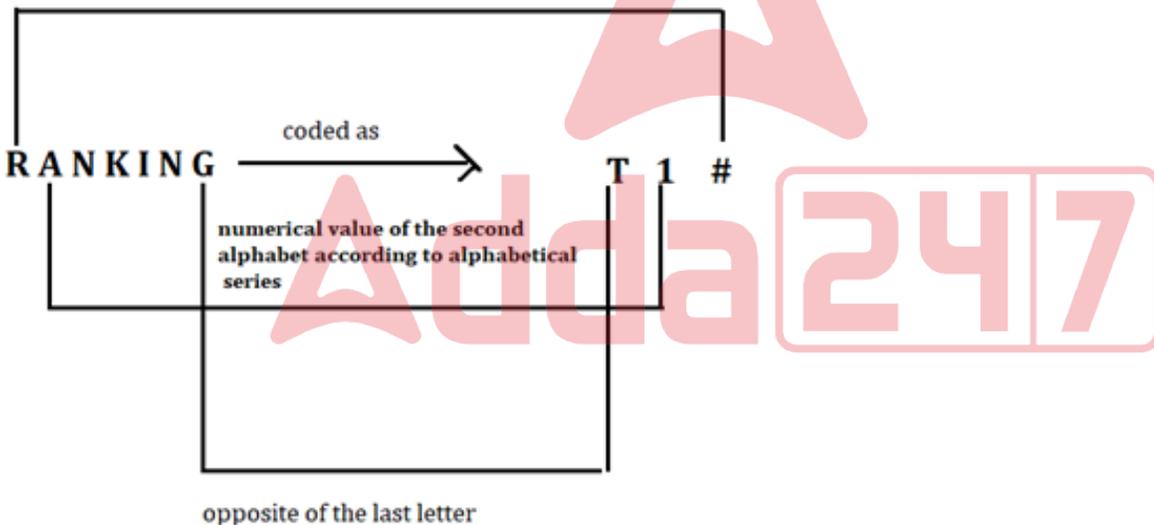
(If a word starts with a consonant then code as #
If a word starts with a vowel then code as %)



S35. Ans.(d)

Sol. Logic:

(If a word starts with a consonant then code as #
If a word starts with a vowel then code as %)



S36. Ans.(a)

Sol.

I. $x^2 + 17x + 72 = 0$

$x^2 + 9x + 8x + 72 = 0$

$(x + 9)(x + 8) = 0$

$\Rightarrow x = -8, -9$

II. $y^2 - 64 = 0$

$y^2 = 64$

$\Rightarrow y = \sqrt{64} = -8, +8$

Hence, $y \geq x$

S37. Ans.(b)

Sol.

$$\begin{aligned}\text{I. } x^2 - 37x + 342 &= 0 \\ x^2 - 19x - 18x + 342 &= 0 \\ (x - 19)(x - 18) &= 0 \\ \Rightarrow x &= 18, 19\end{aligned}$$

$$\begin{aligned}\text{II. } 2y^2 - 11y + 15 &= 0 \\ 2y^2 - 6y - 5y + 15 &= 0 \\ 2y(y - 3) - 5(y - 3) &= 0 \\ \Rightarrow (2y - 5)(y - 3) &= 0 \\ \Rightarrow y &= \frac{5}{2}, 3\end{aligned}$$

Hence, $x > y$

S38. Ans.(e)

Sol.

$$\begin{aligned}\text{I. } x^2 - 10x + 21 &= 0 \\ x^2 - 3x - 7x + 21 &= 0 \\ (x - 3)(x - 7) &= 0 \\ \Rightarrow x &= 3, 7\end{aligned}$$

$$\begin{aligned}\text{II. } y^2 - 12y + 32 &= 0 \\ y^2 - 8y - 4y + 32 &= 0 \\ (y - 8)(y - 4) &= 0 \\ \Rightarrow y &= 4, 8\end{aligned}$$

Hence, relation can't be established

S39. Ans.(e)

Sol.

$$\begin{aligned}\text{I. } x^2 &= 15625 \\ x &= \sqrt{15625} \\ \Rightarrow x &= -125, +125\end{aligned}$$

$$\begin{aligned}\text{II. } y^3 &= 15625 \\ \Rightarrow y &= 25\end{aligned}$$

Hence, relation can't be established.

S40. Ans.(c)

Sol.

$$\begin{aligned}\text{I. } x^3 - 2197 &= 0 \\ \Rightarrow x^3 &= 2197 \\ \Rightarrow x &= 13\end{aligned}$$

$$\begin{aligned}\text{II. } y^2 - 169 &= 0 \\ \Rightarrow y^2 &= 169 \\ \Rightarrow y &= \sqrt{169} = -13, +13\end{aligned}$$

Hence $x \geq y$



A blue rectangular advertisement for 'BANK MAHAPACK'. It features a white letter 'A' in a small circle at the top right. The text 'BANK MAHAPACK' is in large white letters, followed by 'for all Bank & Insurance Exams' in smaller white text. At the bottom, there is a white box with the text 'Selection Ka Saathi' and a small orange crown icon.

S41. Ans.(b)

Sol.

$$\sqrt{\frac{3430}{70} + \frac{3840}{60} - \frac{2560}{80}} = ?$$
$$\Rightarrow \sqrt{49 + 64 - 32} = ?$$
$$\Rightarrow \boxed{? = 9}$$

S42. Ans.(d)

Sol.

$$21 \times 13 + 39 \times 3 - 20 \times 2 = ?$$
$$\Rightarrow 273 + 117 - 40 = ?$$
$$\Rightarrow \boxed{? = 350}$$

S43. Ans.(c)

Sol.

$$8765 + 2134 - 1899 + 1000 = ?$$
$$\Rightarrow \boxed{? = 10000}$$

S44. Ans.(a)

Sol.

$$1541.72 + 1622.13 + 799.01 - 898.74 - 1011.44 = ?$$
$$\Rightarrow ? = 2052.68$$

S45. Ans.(c)

Sol.

$$9801 \div 99 \times 9 + 99 = ?$$
$$\Rightarrow 99 \times 9 + 99 = ?$$
$$\Rightarrow \boxed{? = 990}$$

S46. Ans.(b)

Sol.

$$123 \times 101 + 124 \times 99 = ? - 1$$
$$\Rightarrow 123 \times (100+1) + 124 \times (100-1) + 1 = ?$$
$$\Rightarrow 12300 + 123 + 12400 - 124 + 1 = ?$$
$$\Rightarrow \boxed{? = 24700}$$

S47. Ans.(e)

Sol.

$$55\frac{5}{9}\% \text{ of } 909 + 42\frac{6}{7}\% \text{ of } 560 + 255 = (?)^3$$
$$\Rightarrow \frac{5}{9} \times 909 + \frac{3}{7} \times 560 + 255 = (?)^3$$
$$\Rightarrow (?)^3 = 1000$$
$$\Rightarrow \boxed{? = 10}$$

S48. Ans.(d)

Sol.

$$? + 64 + 225 - 289 = 1728 - 1331$$
$$\Rightarrow \boxed{? = 397}$$

S49. Ans.(a)

Sol.

$$15.5 \times 16 + 8 \times 29 - 4 \times 20 = (?)^2$$
$$248 + 232 - 80 = (?)^2$$
$$\Rightarrow \boxed{? = 20}$$

S50. Ans.(b)

Sol.

$$\frac{2}{7} \times \frac{3}{7} \times \frac{1}{2} \times 49000 = ?$$
$$\Rightarrow \boxed{? = 3000}$$

S51. Ans.(e)

Sol.

$$\text{Total marks obtained by Ram} = 80 + 90 + 75 + 65$$
$$= 310$$
$$\text{Total marks obtained by shyam} = 70 + 85 + 80 + 60$$
$$= 295$$

$$\text{Required Ratio} = \frac{310}{295} = 62 : 59$$

S52. Ans.(c)

Sol.

$$\text{Required \%} = \frac{(90-75)}{90} \times 100$$
$$= 16 \frac{2}{3} \%$$

S53. Ans.(b)

Sol.

$$\text{Required Ratio} = \frac{(120+100)}{\frac{2}{(110+105+115+140)}}$$
$$\Rightarrow \frac{110 \times 4}{470} = \boxed{44:47}$$

S54. Ans.(d)

Sol.

$$\text{Average marks of chemistry} = \frac{90+85+100+75+95+105}{6}$$
$$= \frac{550}{6} = 91 \frac{2}{3}$$
$$\approx 92$$

S55. Ans.(a)

Sol. Marks obtained by shyam, Priyanka and Priya together in Physics = $70 + 115 + 135$
 $= 320$

Marks obtained by Ram, Priya and Mohan together in maths = $75 + 85 + 115 = 275$

Required Difference = $320 - 275 = 45$.

S56. Ans.(a)**Sol.**

Total C.P = $2500 + 2500 = \text{Rs.}5000$

Overall Profit = $5000 \times \frac{20}{100} = \text{Rs.}1000$

Profit on 1st bicycle = $2500 \times \frac{5}{100} = \text{Rs.}125$

Hence, profit on 2nd bicycle = $1000 - 125 = \text{Rs.}875$

Required profit % = $\frac{875}{2500} \times 100 = 35\%$

S57. Ans.(b)**Sol.**

Let the number of boys and girls be $7x$ and $8x$ respectively.

ATQ,

$$\frac{7x+40}{8x-40} = \frac{1}{1}$$

$$\Rightarrow 8x - 40 = 7x + 40$$

$$\Rightarrow x = 80$$

Initial strength of college = $7x + 8x = 15 \times 80 = 1200$

S58. Ans.(d)**Sol.**

$2A = 3B = 5C = 9D$

$$\Rightarrow \frac{2A}{90} = \frac{3B}{90} = \frac{5C}{90} = \frac{9D}{90} \quad (\text{LCM of } 2,3,5,9 = 90)$$

$$\Rightarrow \frac{A}{45} = \frac{B}{30} = \frac{C}{18} = \frac{D}{10}$$

$$\Rightarrow A : B : C : D = 45 : 30 : 18 : 10$$

$$\Rightarrow \text{Value of } B = \frac{30}{103} \times 51500 = 15000$$

S59. Ans.(c)**Sol.**

Let Sohan's present age = $2x$ years

Then Ram's present age = x years

Mohan's present age = $2x + 5$ years.

A.T. Q, $\frac{x+2x+5}{2} = 25$ years

$$\Rightarrow x = 15 \text{ years}$$

Sohan's age after 10 years = $2x + 10$

$$= 40 \text{ years}$$

S60. Ans.(b)**Sol.**

Suppose the vessel initially contains 8 litres of mixture of water & syrup.
Let x litres of this liquid be completely replaced with water.

$$\begin{aligned} \text{Quantity of water in new mixture} &= \left(3 - \frac{3x}{8} + x\right) \text{ litres} \\ &= \left(\frac{24+5x}{8}\right) \text{ litres} \end{aligned}$$

$$\begin{aligned} \text{Quantity of syrup in new mixture} &= \left(5 - \frac{5x}{8}\right) \text{ litres} \\ &= \left(\frac{40-5x}{8}\right) \text{ litres} \end{aligned}$$

$$\text{ATQ, } \frac{24+5x}{8} = \frac{40-5x}{8}$$

$$\Rightarrow x = \frac{8}{5}$$

$$\text{So, part of the mixture replaced} = \frac{8}{5} \times \frac{1}{8} = \frac{1}{5}$$

S61. Ans.(b)**Sol.**

	CP	SP
A	1	2
B	5	6

S.P. is same

∴ Multiply C.P. and S.P. ratio of article A by '3'

	CP	SP
A	3	6
B	5	6
Total	8	12

$$\text{Required \%} = \frac{12-8}{8} \times 100$$

$$= \frac{4}{8} \times 100$$

$$= 50\%$$

S62. Ans.(d)**Sol.**

$$\text{Sum of present age of couple} = 2 \times 29 = 58$$

Age of family after 8 years

$$= 58 + 8 \times 2 + (8 - 2) + (8 - 4)$$

$$= 58 + 16 + 6 + 4$$

$$= 84$$

$$\text{Required average} = \frac{84}{4} = 21$$

S63. Ans.(c)**Sol.**Let, amount invested in scheme A = x Amount invested in scheme B = $14,000 - x$

ATQ,

$$x \times \left[\frac{144}{100} - 1\right] + \frac{(14000 - x) \times 25 \times 2}{100} = 6640$$

$$x \times \frac{44}{100} + 7,000 - \frac{x}{2} = 6640$$

$$360 = \frac{6x}{100}$$

$$\Rightarrow x = 6,000$$

Amount invested in scheme B = 8000

S64. Ans.(d)

Sol.

Let the length of train = x
and, the speed of train = s

ATQ,

$$\frac{x+100}{12} = s = \frac{3x}{21}$$

$$\frac{x+100}{12} = \frac{x}{7}$$

$$7x + 700 = 12x$$

$$5x = 700$$

$$x = 140$$

$$\text{Speed of train} = \frac{3 \times 140}{21} = 20 \text{ m/s}$$

S65. Ans.(d)

Sol.

$$A + B = \frac{1}{12}$$

$$A + B + C = \frac{1}{15}$$

$$\Rightarrow C = \frac{1}{15} - \frac{1}{12} = \frac{4-5}{60} = \frac{-1}{60}$$

Pipe 'C' is an outlet pipe which can empty the tank in 60 minutes.

$$B + C = \frac{1}{30}$$

$$B = \frac{1}{30} + \frac{1}{60} = \frac{2+1}{60} = \frac{1}{20}$$

$$A + B = \frac{1}{12}$$

$$A = \frac{1}{12} - \frac{1}{20} = \frac{5-3}{60} = \frac{2}{60} = \frac{1}{30}$$

Pipe 'A' alone can fill the tank completely in 30 minutes.

S66. Ans.(b)

Sol.

$$\text{Required value} = \frac{(15 + 22 + 18)}{100} \times 400$$

$$= 220$$

S67. Ans.(e)

Sol.

Marks scored by Shalini in Science, English and Hindi together

$$= \frac{(21+24+18)}{100} \times 400$$

$$= 252$$

$$\text{Required \%} = \frac{252}{300} \times 100 = 84\%$$

S68. Ans.(a)

Sol.

$$\begin{aligned}\text{Required \%} &= \frac{21 - 18}{21} \times 100 = \frac{100}{7}\% \\ &= 14\frac{2}{7}\%\end{aligned}$$

S69. Ans.(c)

Sol.

$$\begin{aligned}\text{Required value} &= \frac{(22+15+21-24-18)}{100} \times 400 \\ &= (58 - 42) \times 4 \\ &= 16 \times 4 = 64\end{aligned}$$

S70. Ans.(b)

Sol.

$$\text{Required ratio} = \frac{(22+18) \times 4}{(15+21) \times 4} = \frac{10}{9}$$

S71. Ans.(d)

Sol. Refer to the first paragraph of the passage, "As UNESCO states, a monolingual system of education which relies on "providing education in only one language that is not necessarily shared by all learners may impact negatively on learning performance, and the development of socio-emotional and foundational literacy skills."

S72. Ans.(e)

Sol. Refer to the second paragraph, "It is in our mother tongue that we express, with authenticity, our deepest thoughts, feelings, values and ideals, as also our literary ventures. Our languages, which are an integral part of our ancient culture, give us a sense of identity"

S73. Ans.(b)

Sol. Refer to the second paragraph, "The International Mother Language Day has added significance in the Indian context because of the threat westernization poses to the survival of as many as 42 of our dialects and languages which have fewer than 10,000 users. The situation is equally grim all over the world with 40 per cent of the speakers of 6,700 languages not having access to education in their mother tongue."

S74. Ans.(d)

Sol. Refer to the third paragraph, "Recognizing the role of technology and artificial intelligence in transforming the educational landscape globally, societies, including ours, must fast-track methods to make quality education more accessible, equitable and inclusive. We must involve all key stakeholders in education — policymakers, schools, colleges and universities, teachers, regulatory institutions and non-governmental bodies."

S75. Ans.(b)

Sol. For (a), (b) and (d): Refer to the first paragraph, "In November 1999, UNESCO declared February 21 as International Mother Language Day in response to the declining state of many languages all over the world. This year's theme, "Multilingual education — a necessity to transform education," underscores the importance of using multiple languages in framing an impactful system of education"

For (c): refer to the complete second paragraph.

S76. Ans.(c)

Sol. Refer to the last paragraph, "The Nobel Prize-winning Physicist C V Raman said, "We must teach science in our mother tongue. Otherwise, science will become a highbrow activity. It will not be an activity in which all people can participate."

S77. Ans.(e)

Sol. Heritage: property that is or may be inherited; an inheritance

Preservation: the action of preserving something.

Foster: encourage the development of

Repository: a place or container where something is deposited or stored

S78. Ans.(b)

Sol. Foresee: to know or guess that something is going to happen in the future

Envisage: contemplate or conceive of as a possibility or a desirable future event

Habituate: make or become accustomed or used to something

Perplexed: completely baffled; very puzzled

S79. Ans.(d)

Sol. The correct rearrangement needed to make the sentence grammatically correct is **CDAB**.

Thus, the sentence will be, “**qualifications** are **important** but **practical** experience is **always** an advantage”

S80. Ans.(b)

Sol. The correct rearrangement needed to make the sentence grammatically correct is **CBDA**.

Thus, the sentence will be, “Road **development** in the area has been **severely affected** by the **conservation** programs of the council.” The rearrangement could also be CDBA but it is not given as an option, and thus CBDA is to be chosen.

S81. Ans.(e)

Sol. The highlighted words are already arranged.

S82. Ans.(a)

Sol. The correct rearrangement needed to make the sentence grammatically correct is **DCBA**.

Thus, the sentence will be, “As a result of **exhaustive inquiries** the police are at last able to **issue** a **description** of the murderer.”

S83. Ans.(b)

Sol. The correct rearrangement needed to make the sentence grammatically correct is **CABD**.

Thus, the sentence will be, “The government **may** take steps to **enforce compliance** with the new **measures**.”

S84. Ans.(c)

Sol. Interpretation: the action of explaining the meaning of something.

Concentration: the amount of a substance

Alliance: the state of being allied or confederated

Negligence: failure to take proper care over something.

Finance: a term for matters regarding the management, creation, and study of money and investments

S85. Ans.(e)

Sol. Bleak: charmless and inhospitable; dreary.

Confront: come face to face with

Balance: A state in which opposing forces harmonize; equilibrium

Cancel: decide or announce that (a planned event) will not take place.

Enhance: increase

S86. Ans.(d)

Sol. Jarring: causing a physical shock, jolt, or vibration.

Tumble: to know or guess that something is going to happen in the future; to understand or become aware of

Harmonizing: add notes to (a melody) to produce harmony.

Wearing: to gradually disappear or to cause (something) to gradually disappear

Gaining: obtain or secure

The definition of tumbling that somehow completes the context in the blank is, however, an intransitive word, The blank requires a transitive word as the verb is associated with the direct object, "inflation".

S87. Ans.(a)

Sol. Ordeal: a severe or trying experience

Vengeance: punishment inflicted or retribution exacted for an injury or wrong.

Privatization: moving something from the public sector into the private sector.

Determination: the quality of being determined; firmness of purpose.

Entrance: an opening, such as a door, passage

S88. Ans.(b)

Sol. Exclamation: to know or guess that something is going to happen in the future.

Significance: the quality of being worthy of attention; importance.

Clarification: the action of making a statement or situation less confused and more comprehensible.

Subjugation: the action of bringing someone or something under domination or control.

Indication: to know or guess that something is going to happen in the future.

S89. Ans.(d)

Sol. The error free statement is (d). In (a), 'responsibilities' should be singular, as 'sole' represents a singular entity. In (b), 'restructure' should be changed with 'restructuring', as 'restructure' is a verb, but the required form is 'noun' here. In (c), 'triggers' is the right alternative for 'trigger', as 'movement' is singular noun, which thus needs a singular verb (triggers).

S90. Ans.(e)

Sol. All the sentences are error free.

S91. Ans.(c)

Sol. The error free sentence is option (c). In (a), 'clinical' must be changed to 'clinically' as the required form is adverb(clinically) which can modify adjective 'insane'. In (b), 'ensure' must be changed to 'insure', as to ensure something is to make sure it happens—to guarantee it. To insure something or someone is to cover it with an insurance policy. In (d), 'in' is wrong preposition and must change with 'for'.

S92. Ans.(a)

Sol. The error free sentence is option (a). Here In (b), 'for' must be exchanged with 'into'. In sentence (c), 'enthuse' is verb, but we need a noun(enthusiasm) here. In sentence (d), 'would' must be added before 'have', as when the sentence is an expectation condition, we use would + have + past participle structure.

S93. Ans.(a)

Sol. The rearrangement needed to make the sentence correct is **BDAC**. Thus, the sentence will be, "Compared to her mother's organized system, Jen's approach to housekeeping was haphazard, at best"

S94. Ans.(c)

Sol. The rearrangement needed to make the sentence correct is **DACB**. Thus, the sentence will be, "If someone does a favor for you it is best to show your appreciation and offer one in return, or at least give them some thanks."

S95. Ans.(d)

Sol. The rearrangement needed to make the sentence correct is **DBAC**. Thus, the sentence will be, "Nothing will ever completely replace playing the game I love, however I feel like I'm starting a new adventure."

S96. Ans.(b)

Sol. The rearrangement needed to make the sentence correct is **BADC**. Thus, the sentence will be, "Happiness lies not in the mere possession of money; it lies in the joy of achievement, in the thrill of creative effort."

S97. Ans.(e)

Sol. The sentence does not need any rearrangement.

S98. Ans.(d)

Sol. the incorrect word is 'strom', which should be 'storm'.

S99. Ans.(a)

Sol. The incorrect word is 'plosible', which should be, 'plausible'.
Plausible: seeming reasonable or probable.

S100. Ans.(d)

Sol. The incorrect word is 'resession', which should be, 'recession'.

